

CLAIMS

1. A receiving apparatus comprising:

5 a reception quality measurer that measures a reception quality of a receiving packet;

a threshold level determiner that provides a first threshold level and a second threshold level below said first threshold level and determines a scale relationship of the reception quality to each threshold level;

10 an error detector that performs error detection processing upon said receiving packet;

a command generator that, according to a determination result by said threshold level determiner and an error detection result by said error detector, generates a command that instructs
15 a communicating apparatus to transmit a new packet, retransmit the packet, stop packet transmission, or resume the packet transmission; and

a transmitter that transmits the generated command to said communicating apparatus.

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2. The receiving apparatus according to claim 1, wherein

said command generator generates a command that instructs to temporarily suspend the packet transmission when said reception quality is below said first threshold level yet greater
25 than said second threshold level, and

thereafter generates a command that requests to resume the packet transmission when the reception quality of a packet

for another user is greater than said first threshold level, and generates a command that instructs to stop the packet transmission when the reception quality is below said second threshold level.

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3. The receiving apparatus according to claim 1, wherein said command generator generates a command based on the number of times a same comparison result continues in said threshold level determiner.

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4. The receiving apparatus according to claim 1, wherein said command generator generates a command that instructs to stop the packet transmission when errors are detected a predetermined number of times consecutively in receiving packets.

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5. A transmitting apparatus comprising:

a scheduler that determines a packet destination apparatus among communicating apparatuses; and

20 a command detector that detects a command transmitted from the determined packet destination apparatus,

wherein the scheduler changes the packet destination apparatus when said scheduler receives an instruction to stop the packet transmission from said packet destination apparatus.

25 6. A communication method, wherein:

a transmitting apparatus performs scheduling and transmits a packet to a receiving apparatus;

said receiving apparatus instructs said transmitting apparatus to transmit a new packet, retransmit the packet, stop packet transmission, or resume the packet transmission based on reception quality of a receiving packet and presence or
5 absence of error; and

said transmitting apparatus changes a packet destination when said transmitting apparatus receives an instruction to suspend a packet transmission from said receiving apparatus.